

# Weir-Jones Engineering Consultants

## — Key Facts —

- Weir-Jones was established in 1971 in Vancouver, Canada to solve difficult and unique motion-detection issues. For 45 years, Weir-Jones has provided specialized monitoring and analytical systems for corporate and government clients in public safety, mining, oil & gas, energy, transportation, and defence sectors in more than 55 countries around the world.
- Weir-Jones provides specialized investigative and forensic engineering services, contract research and development work, vibration and stress analysis, offshore structural monitoring systems, and turnkey integrity monitoring systems for the resource, transportation, heavy industrial and defence sectors.
- Weir-Jones' high-tech sensors and acquisition equipment for public safety and infrastructure integrity monitoring are manufactured in British Columbia and its Vancouver headquarters contains the Weir-Jones Innovation Centre.
- In recent years, Weir-Jones has become a world leader in autonomous seismic monitoring systems and *Earthquake Early Warning System* (EEWS) technology. Its *Earthquake Early Warning System* (EEWS) is in use in B.C.'s Massey Tunnel, 75 seismic monitoring stations in Argentina, 110 microseismic monitoring systems in Alberta, more than 80 per cent of U.S. nuclear reactors, and in the world's largest microseismic array in the oil and gas fields of Saudi Arabia.
- Weir-Jones technology is also used in the U.S. Air Force F-117 stealth aircraft (*precision accelerometers*), British Columbia, Washington State, and Alaska State ferries (*Automated Draught Indicator System*, or ADIS™), numerous Canadian, U.S., and global pipelines (*pipeline strain monitoring*), offshore rigs in Newfoundland and Russian waters (*total structural monitoring systems*), Skytrain (*integrity monitoring*) and the Pitt River Bridge (*structural monitoring*) in B.C.
- In 2016 Weir-Jones signed an international marketing agreement for its seismic products with SGS of Geneva, Switzerland. SGS is the world's leading inspection, verification, testing and certification company, with over 1,800 offices worldwide. The agreement will see SGS bring Weir-Jones' British Columbia-developed *Earthquake Early Warning System* technology to countries with high seismic risk that currently do not have proven technology and systems in place.
- Weir-Jones' seismic technology can be installed in everything from a single building (such as the new all-wood, five-storey Radiator Building in Portland, Oregon) to a massive regional array of structures (such as the oil and gas fields of Saudi Arabia), and is customized to meet local, regional, and national needs.
- Weir-Jones works with local, state, provincial, and federal governments worldwide to develop public safety seismic systems encompassing schools, hospitals, designated structures, and transportation infrastructure.

